

## ABSTRACT OF THE DISCLOSURE

A method and apparatus for performing logical attachments and detachments in a hot-plug-in data bus is described. A hot-plug-in data bus may utilize pull-down resistors to keep bus signals near a low

5      voltage level when bus units are physically detached. Active pull-up resistors may then raise the bus signals away from ground when the bus units are physically attached via cabling or other forms of interconnection. The pull-up resistors may be switched away from the pull-up voltage source, which allows the remaining pull-down resistors to

10     pull the bus signals down to the voltage levels corresponding to physical detachment of the cabling.

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